## (19) World Intellectual Property Organization International Bureau





(43) International Publication Date 29 April 2004 (29.04.2004)

**PCT** 

## (10) International Publication Number WO 2004/036343 A3

(51) International Patent Classification<sup>7</sup>: B65D 81/00

A61B 5/00.

(21) International Application Number:

PCT/IL2003/000837

(22) International Filing Date: 15 October 2003 (15.10.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/419.282

18 October 2002 (18.10.2002)

(71) Applicant (for all designated States except US): S.A.E. AFIKIM COMPUTERIZED DAIRY MANAGEMENT SYSTEM [IL/IL]; Kibbutz Afikim, 15148 Afikim (IL).

(72) Inventors; and

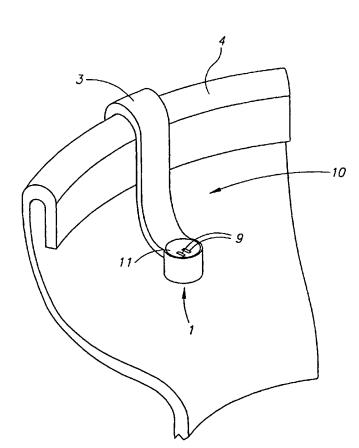
(75) Inventors/Applicants (for US only): SHEMER, Yossef

[IL/IL]; 16 Shikma Street, 36520 Kiryat Tivon (IL). HER-MAN, Zvi [IL/IL]; 4/1 Hakim Street, 35430 Haifa (IL).

- (74) Agent: JEREMY M. BEN-DAVID & CO. LTD.; Har Hotzvim Hi-Tech Park, P.O. Box 45087, 91450 Jerusalem (IL).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,

[Continued on next page]

(54) Title: SYSTEM FOR MONITORING THE HEALTH OF AN INDIVIDUAL AND METHOD FOR USE THEREOF



A medical analysis system (57) Abstract: for measuring properties and constituents of urine. The system includes a toilet unit (10) mountable on a toilet bowl (4), readily attachable and detachable therefrom. The toilet unit (10) includes a collection and sampling sub-unit (1) for collecting and measuring the characteristics of urine and an electronics sub-unit (2) for data collection and processing of the measured characteristics. The toilet unit (10) also includes a means for removably fastening the collection and sampling sub-unit (1) inside a toilet bowl (4), permitting ready attachment and removal of the toilet unit (10) from a toilet bowl (4) as desired. The system also contains a wall unit (5) in communication with the toilet unit (10). The wall unit (5) includes means for storing and further processing the data, determining if changes have occurred in the measured characteristics of urine over time.



GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 26 August 2004

SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL03/00837

A. CLASSIFICATION OF SUBJECT MATTER				
IPC(7)	: A61B 5/00; B65D 81/00		-	
TICCT - 600/584				
According to International Patent Classification (IPC) or to both national classification and IPC				
	DS SEARCHED			
		A service of the serv		
Minimum documentation searched (classification system followed by classification symbols)				
U.S. : 60	00/584, 573, 574			
_ ,_, . 00				
			the fields asset 3	
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
			1	
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)				
DICCHOING BAIS DATE CONTINUES WILLING THE VICENSTITUTE PERSON (VIEWED OF STREET CONTINUES OF STREET				
C 700	UMENTS CONSIDERED TO BE RELEVANT			
	Citation of document, with indication, where ap	propriate of the relevant passages	Relevant to claim No.	
Category *	Citation of document, with indication, where at	101 (05 11 1001) ontire de	1-38	
A	US 5,062,304 A (Van Buskirk et al.) 5 November 19	ובען ווצא, entire document.	1-20	
Ì			1715161710	
Y	US 5,119,829 A (Saito et al.) 9 June 1992 (09.06.199	92), Figures 16 - 19, Column 15, lines	1,7,15,16,17,18 and	
-	3 - 49.		21-23	
Y	US 5,730,149 A (Nakayama et al.) 24 March 1998 (2	24.03.1998), Column 9, line 44 -	1,7,15,16,17,18 and	
	Column 24, line 63.	·	21-23	
1		[		
1		l		
ţ		1		
ļ l				
		İ		
	(	ì		
Į		ł		
<b>i</b>	1	l		
Į	[	1		
į l	Į	l		
<b>\</b>	1	ł	1	
ŀ	l	ł.	1	
l		l	1	
1		i		
1	1	<b>\</b>	1	
ļ	L			
	· documents are listed in the continuation of Don Cl	See patent family annex.		
ı <del></del>	r documents are listed in the continuation of Box C.	<u> </u>	mational state de	
· S	Special categories of cited documents:	"T" later document published after the inte	rnauenas rung date or priority	
i		date and not in conflict with the applic principle or theory underlying the inve	ention	
	at defining the general state of the art which is not considered to be	• •		
	ular relevance	"X" document of particular relevance; the	claimed invention cannot be	
"E" carlier ap	pplication or patent published on or after the international filing date	considered novel or cannot be consider	red to involve an inventive step	
i		when the document is taken alone		
"L" documen	at which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as	"Y" document of particular relevance; the	claimed invention cannot be	
establish specified		considered to involve an inventive ster	p when the document is	
	•	combined with one or more other such	documents, such combination	
"O" documen	at referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in the	o mr	
1	at published prior to the international filing date but later than the	"&" document member of the same patent	family	
priority date claimed				
Date of the a	Date of the actual completion of the international search  Date of mailing of the international search report			
1434	14 May 2004 (14.05.2004) 15 JUL 2004			
		Authorized officer	<del> </del>	
	nailing address of the ISA/US	) / N V / // /		
	ail Stop PCT, Aun: ISA/US	Mary Beth Jones		
	mmissioner for Patents	14 \ / // /		
	D. Box 1450 exandria, Virginia 22313-1450	Telephone No. (703) 308-0858		
	o. (703)305-3230	1 /		
1 *	· • ·· •	L		

Form PCT/ISA/210 (second sheet) (July 1998)